

Table 2-3. Waste Volumes, Containers, and Shipments Under Alternatives A and B

Waste Type	Totals			
	Volume (cubic feet) ^a	Containers	Alternative A Shipments	Alternative B Shipments
LLW				
Class A, boxes	351,586	4,341	311 (truck) 156 (rail)	311 (truck) 156 (rail)
Class A, drums	83,014	12,058	144 (truck) 72 (rail)	144 (truck) 72 (rail)
Class B, high-integrity containers	38,500	428	428 (truck) 107 (rail)	428 (truck) 107 (rail)
Class B, drums	194	29	1 (truck) 1 (rail)	1 (truck) 1 (rail)
Class C, high-integrity containers	12,618	141	141 (truck) 36 (rail)	141 (truck) 36 (rail)
Class C, 55-gallon drums	6,198	901	91 (truck) 23 (rail)	91 (truck) 23 (rail)
Class C, 71-gallon drums	193,405	20,377	850 (truck) 213 (rail)	850 (truck) 213 (rail)
Total LLW	685,515	38,275	1,966 (truck) 608 (rail)	1,966 (truck) 608 (rail)
TRU^b				
Contact-handled	40,000	5,810	139 (truck) 139 (rail)	278 (truck) ^d 278 (rail) ^d
Remote-handled	9,000	1,308	131 (truck) 33 (rail)	262 (truck) ^c 66 (rail) ^f
Total TRU	49,000	7,118	270 (truck) 172 (rail)	540 (truck)^g 344 (rail)^h
HLW				
HLW canisters		300 ⁱ	300 (truck) 60 (rail)	600 (truck) ^j 120 (rail) ^k
Mixed LLW^c				
Mixed A, drums	7,889	1,146	14 truck 7 (rail)	14 truck 7 (rail)
Total Volume	742,404			
Total Containers		46,839		
Total Shipments			2,550 (truck) 847 (rail)	3,120 (truck)^l 1,079 (rail)^m

Source: Marschke 2001

- To convert cubic feet to cubic meters, multiply by 0.028.
- Defined by NRC and DOE as waste containing more than 100 nanocuries of alpha-emitting isotopes, with half-lives greater than 20 years, per gram of waste.
- Generally at WVDP, mixed LLW is shipped off the site for treatment at a commercial facility and from there to a disposal site. Any mixed LLW shipped off the site for disposal must meet the disposal facilities' waste acceptance criteria.
- 139 CH-TRU shipments from WVDP to interim storage, 139 CH-TRU shipments from interim storage to disposal.
- 131 RH-TRU shipments from WVDP to interim storage, 131 RH-TRU shipments from interim storage to disposal.
- 33 RH-TRU shipments from WVDP to interim storage, 33 RH-TRU shipments from interim storage to disposal.
- 270 TRU shipments from WVDP to interim storage, 270 TRU shipments from interim storage to disposal.
- 172 TRU shipments from WVDP to interim storage, 172 TRU shipments from interim storage to disposal.
- Assumed to be 300 for purposes of analysis; actual number of canisters is 275.
- 300 HLW shipments from WVDP to interim storage, 300 HLW shipments from interim storage to disposal.
- 60 HLW shipments from WVDP to interim storage, 60 HLW shipments from interim storage to disposal.
- Includes 270 TRU waste, and 300 HLW, truck shipments from interim storage to disposal. Alternative B would load the same number of truck shipments (2,550) at WVDP for shipment offsite as Alternative A.
- Includes 172 TRU waste, and 60 HLW, rail shipments from interim storage to disposal. Alternative B would load the same number of rail shipments (847) at WVDP for shipment offsite as Alternative A.